

**Amendments to the Claims**

Please cancel Claims 1, 4, 8, 13, 16, 20, 25, and 28. Please amend Claims 2, 3, 5-7, 9-12, 14-15, 17-19, 21, 23-24, 26-27, and 29. The Claim Listing below will replace all prior versions of the claims in the application:

Claim Listing

1. (Canceled)
2. (Currently Amended) ~~The method of claim 1, wherein said determining step includes:~~ A method for providing wireless communication, the method comprising the steps of:
 - (a) receiving, at a first cell site, data for a subscriber, the data including a wired-network address;
 - (b) determining, based on the wired-network address, whether the subscriber is located in the cell site, wherein said determining step includes:
 - (i) retrieving a subscriber record; and
 - (ii) matching the wired-network address to the subscriber in the subscriber record[[]];
 - (c) if the subscriber is located in the cell site, retrieving a wireless-network identifier of the subscriber; and
 - (d) transmitting the data, using the wireless-network identifier, via a wireless network to the subscriber.
3. (Currently Amended) The method of claim [[1]] 2, wherein the wireless-network identifier is an electronic serial number (ESN).
4. (Canceled)

5. (Currently Amended) ~~The method of claim 4, wherein said determining step includes the steps of:~~ A method for providing wireless communication, the method comprising the steps of:
- (a) receiving, in a first cell site, data for a subscriber, the data including a wired-network address;
 - (b) determining, based on the wired-network address, whether the subscriber is located in a second cell site, wherein said determining step includes:
 - (i) retrieving a subscriber record; ~~and~~
 - (ii) matching the wired-network address to the subscriber in the subscriber record[.]; and
 - (c) if the subscriber is located in the second cell site, sending the data, via a tunnel, to a second cell site for wireless transmission to the subscriber.
6. (Currently Amended) The method of claim [[4]] 5, further comprising the step of:
- (d) receiving from the second cell, via a backhaul network, handoff information for the subscriber.
7. (Currently Amended) The method of claim [[4]] 5, further comprising the step of:
- (d) creating a tunnel over the backhaul network from the first cell site to the second cell site.
8. (Canceled)
9. (Currently Amended) The method of claim [[8]] 10, wherein said step of determining the subscriber to whom the address is assigned includes the steps of:
- (i) storing the subscriber's wireless-network identifier in a database; and
 - (ii) retrieving the subscriber's wireless-network identifier from the database based on the received wired-network address.

10. (Currently Amended) ~~The method of claim 8, further comprising the steps of:~~
A method for providing wireless communication, the method comprising the steps of:
(a) receiving, via a tunnel from a first cell, data for a subscriber, the data including a
dynamically-assigned wired-network address relating to a subscriber;
(b) determining the subscriber to whom the address is assigned;
(c) transmitting the data via the wireless network to the subscriber;
(d) receiving a request for a wired-network address server to renew a wired-network address lease;
(e) determining whether the subscriber has been handed off, if the subscriber has been handed off, denying the received request; and
(f) dynamically assigning a new wired-network address to the subscriber.
11. (Currently Amended) The method of claim ~~[[9]]~~ 10, wherein the subscriber's wired-network address is received from the first cell.
12. (Currently Amended) The method of claim ~~[[9]]~~ 10, wherein the subscriber's wired-network address is received from the subscriber.
13. (Canceled)
14. (Currently Amended) ~~The apparatus of claim 13, wherein said memory includes further instructions adapted to be executed on said processor, said further instructions comprising:~~
An apparatus for providing wireless communication, the apparatus comprising:
(a) a processor; and
(b) a memory coupled to said processor, said memory including a database that associates a subscriber's wired-network address with a subscriber's wireless network identifier, and said memory storing instructions adapted to be executed on said processor, said instructions comprising:

- (i) receiving, at a first cell site, data for a subscriber, the data including a wired-network address;
- (ii) determining, based on the wired-network address, whether the subscriber is located in the cell site;
- (iii) if the subscriber is located in the cell site, retrieving a wireless-network identifier of the subscriber;
- (iv) transmitting the data, using the wireless-network identifier, via a wireless network to the subscriber;
- [[i]] (v) retrieving a subscriber record; and
- [[ii]] (vi) matching the wired-network address to the subscriber in the subscriber record.

15. (Currently Amended) The apparatus of claim ~~[[13]]~~ 14, wherein the wireless-network identifier is an electronic serial number (ESN).
16. (Canceled)
17. (Currently Amended) ~~The apparatus of claim 16, said memory storing further instructions adapted to be executed by said processor, said further instructions comprising:~~ An apparatus for providing wireless communication, the apparatus comprising:
 - (a) a processor; and
 - (b) a memory coupled to said processor, said memory including a database that associates a subscriber's wired-network address with a subscriber's wireless-network identifier, and said memory storing instructions adapted to be executed on said processor, said instructions comprising:
 - (i) receiving, in a first cell site, data for a subscriber, the data including a wired-network address;
 - (ii) determining, based on the wired-network address, whether the subscriber is located in a second cell site;

- (iii) if the subscriber is located in the second cell site, sending the data, via a tunnel, to a second cell site for wireless transmission to the subscriber;
 - (iv) retrieving a subscriber record; and
 - (v) matching the wired-network address to the subscriber in the subscriber record.
- 18. (Currently Amended) The apparatus of claim ~~[[16]]~~ 17, said memory storing further instructions adapted to be executed by said processor, said further instructions comprising:
 - ~~[[iv]]~~ (vi) receiving from the second cell, via a backhaul network, handoff information for the subscriber.
- 19. (Currently Amended) The apparatus of claim 18, said memory storing further instructions adapted to be executed by said processor, said further instructions comprising:
 - (vii) creating a tunnel over the backhaul network from the first cell site to the second cell site.
- 20. (Canceled)
- 21. (Currently Amended) The apparatus of claim ~~[[20]]~~ 24, said memory and further instructions adapted to be executed on said processor, the instructions including:
 - ~~[[iv]]~~ (viii) storing the subscriber's wireless-network identifier in a database; and
 - ~~[[v]]~~ (ix) retrieving the subscriber's wireless-network identifier from the database based on the received wired-network address.
- 22. (Original) The apparatus of claim 21, wherein the subscriber's wired-network address is received from the subscriber.

23. (Currently Amended) The apparatus of claim ~~[[20]]~~ 24, wherein the subscriber's wired-network address is received from the first cell.
24. (Currently Amended) ~~The apparatus of claim 20, said memory and further instructions adapted to be executed on said processor, the instructions including:~~ An apparatus for providing wireless communication, the apparatus comprising:
- (a) a processor; and
 - (b) a memory coupled to said processor, said memory including a database that associates a subscriber's wired-network address with a subscriber's wireless network identifier, and said memory storing instructions adapted to be executed on said processor, said instructions comprising:
 - (i) receiving, via a backhaul network from a first cell, data for a subscriber, the data including a dynamically-assigned wired-network address relating to a subscriber;
 - (ii) determining the subscriber to whom the address is assigned;
 - (iii) transmitting the data via the wireless network to the subscriber
 - (iv) receiving a request for a wired-network address server to renew a wired-network address lease;
 - (v) determining whether the subscriber has been handed off,
 - (vi) if the subscriber has been handed off, denying the received request; and
 - (vii) dynamically assigning a new wired-network address to the subscriber.
25. (Canceled)
26. (Currently Amended) The method of claim ~~[[25]]~~ 27 further comprising:
~~[[e)]] i~~ storing a wireless-network identifier associated with the unoccupied address; and
~~[[f)]] j~~ marking the subscriber as being located in the originating cell site.

27. (Currently Amended) ~~The method of claim 26, further comprising the following steps:~~
A method for assigning a wired-network address to a subscriber, the method comprising the following steps:
- (a) receiving a request for a wired-network address;
 - (b) identifying an originating cell site;
 - (c) identifying an unoccupied address associated with the originating cell site;
 - (d) assigning the unoccupied address to the subscriber;
 - ~~[[g)]~~ (e) receiving a request to renegotiate a wired-network address lease for a subscriber, the subscriber having a wired-network address assigned in an originating cell site;
 - ~~[[h)]~~ (f) determining whether the subscriber is located in the originating cell site;
 - ~~[[i)]~~ (g) if the subscriber is not in the originating cell site, denying the request; and
 - ~~[[j)]~~ (h) signing the subscriber a new wired-network-address lease based on the subscriber's current location.
28. (Canceled)
29. (Currently Amended) ~~The apparatus of claim 28, said memory storing further instructions adapted to be executed on said processor, the instructions including:~~ An apparatus for assigning a wired-network address to the subscriber, the apparatus comprising:
- (a) a processor;
 - (b) a memory coupled to said processor, said memory storing instructions adapted to be executed on said processor, the instructions including:
 - (i) receiving a request for a wired-network address;
 - (ii) identifying an originating cell site;
 - (iii) identifying an unoccupied address associated with the originating cell site;
 - (iv) assigning the unoccupied address to the subscriber;

- (v) storing a wireless network identifier associated with the unoccupied address; and
 - (v) marking the subscriber as located in the originating cell site.
- 30. (Original) A method for assigning a wired-network address, the method comprising the following steps:
 - (a) receiving a request to renegotiate a wired-network address lease for a subscriber, the subscriber having a wired-network address assigned in a first cell site;
 - (b) determining the present location of the subscriber; and
 - (c) if the subscriber is in a second cell site, denying the request.
- 31. (Original) The method of claim 30, further comprising the steps of:
 - (d) assigning the subscriber a new wired-network-address lease based on the subscriber's current location.
- 32. (Original) An apparatus for assigning a wired-network address, the apparatus comprising:
 - (a) a processor;
 - (b) a memory coupled to said processor, said memory storing instructions adapted to be executed by said processor, the instructions comprising:
 - (i) receiving a request to renegotiate a wired-network-address lease for a subscriber, the subscriber having a wired-network address assigned in a first cell site;
 - (ii) determining the present location of the subscriber; and
 - (iii) if the subscriber is in a second cell site, denying the request.
- 33. (Original) The apparatus of claim 32, wherein said memory stores further instructions adapted to be executed by said processor, the instructions including:
 - (iv) assigning the subscriber a new wired-network-address lease based on the subscriber's current location

34. (Original) A wireless network comprising:
- (a) a server containing a pool of wired-network addresses;
 - (b) a plurality of base stations, each base station containing a database that associates subscriber wired-network addresses with subscriber wireless-network identifiers, and each base station being associated with a subset of the pool of wired-network addresses; and
 - (c) a backhaul network connecting each of the plurality of base stations with one another.
35. (Original) The wireless network of claim 34, wherein the wired-network addresses are Internet Protocol (IP) addresses.
36. (Original) The wireless network of claim 34, wherein the wireless-network identifiers are electronic serial numbers.
37. (Original) The wireless network of claim 35, wherein the wireless-network identifiers are electronic serial numbers.